

ABSTRACT

The invention relates to an internal combustion engine (10) comprising a direct-injection otto engine (12) which does not have a stratified charge capacity, or only to a small extent, and a catalyst system (16) which is arranged downstream from the otto engine (12) and is provided with at least one catalyst (18). According to the invention, the catalyst system (16) has a catalyst volume (KV) of below $0.8 \times \text{engine capacity (VH)}$ or below 1.3 per 100 kW rated engine power (PNENN), and the average specific precious metal load of the at least one catalyst (18) of the catalyst system (16) is below 3.59g/dm³, the entire precious metal mass of the at least one catalyst (18) being below 2 g per litre of engine capacity (VH) or below 3.5 per 100 kW rated engine power (PNENN) of the otto engine (12).